



Product Manager Firefinder
U.S. Army Communications-Electronics Command
Fort Monmouth, New Jersey 07703-5000

Maintenance Bulletin

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| AN/TPQ-36(V) 8 | FILE NO. 154 | REVISION: |
| | DATE: 07/12/99 | CATEGORY: |
| SUBJECT: LCU Lock ups | SYSTEMS AFFECTED: AN/TPQ-36 Radar System | |

1. Reference: TM 11-5840-380-23-1, 11-5840-380-23-2
2. Summary of the problem: Units are experiencing problems with the processor locking up and not notifying the operator. This can occur during the initialization process, fault isolation testing or during operations. The cause is the K4 relay located within the LCU switching network. This relay has been identified as breaking contact within the LCU switch causing an imbalance at the radar processor. The operator may not be aware of the problem until a keyboard action is initiated. The LCU will not respond.
3. The faulty relay is currently under review for repair and or replacement. An interim fix would be to disconnect W45 from J6 on the processor and install a 50 ohm terminator directly on J6. These terminators are located to the left of each LCU LAN connector. This will disable the LAN portion of the CDT line within the LCU switch. It will not affect operations. If the operators decide to utilize the CDT, W45 must be reconnected to the processor.
4. The purpose of this maintenance bulletin is to inform all (V)8 users of the problem, provide an interim fix and notify the field of the long term fix.

APPROVED BY LOGISTICS MANAGER: Walter Tyson, PMFF DATE: 2/1/00